BookletChartTM

NOAR NOLLAND ATMOSPHERIC ROMMINISTRATION JOHN NOLLAND ATMOSPHERIC ROMMINISTRATION JOHN ARTIMENT OF COMMINISTRATION JOHN ARTIMENT OF COMMINISTRATION AND ARTIMENT A

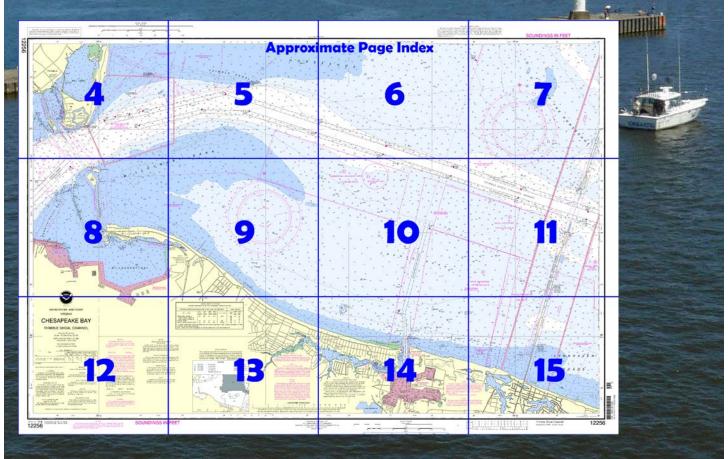
Chesapeake Bay – Thimble Shoal Channel

NOAA Chart 12256

A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=122 56



(Selected Excerpts from Coast Pilot)
Thimble Shoal Channel is a Regulated
Navigation Area and draft limitations apply.
A vessel drawing less than 25 feet may not enter the channel, unless the vessel is crossing the channel.

Little Creek is entered between jetties 8 miles westward of Cape Henry Light. Most of the creek comprises the **U.S. Naval Amphibious Base;** small craft use the west arm.

A dredged channel in Little Creek leads to a

basin off the railroad terminal, 1.2 miles south of the jetties. In June 1998, the controlling depth was 20 feet in the channel and in the basin. The channel is marked by a **177°30'** lighted entrance range and by lights.

Little Creek Coast Guard Station is eastward of the railroad terminal. Naval **danger zones** and **restricted areas** extend northward from the vicinity of Little Creek to the edge of Thimble Shoal Channel.

Old Point Comfort is the site of historic **Fort Monroe.** The Chamberlin Hotel is an excellent landmark. **Old Point Comfort Light** (37°00.1'N., 76°18.4'W.), 54 feet above the water, is shown from a white tower. Only Government craft can tie up at the wharf on the south waterfront of Old Point Comfort.

A naval **restricted area** extends eastward and southward of Old Point Comfort, and a **danger zone** of an army firing range extends to seaward from a point 1.5 miles northward of the point.

Willoughby Spit is a narrow barrier beach 1.3 miles long in an east-west direction. About midway between the spit and Old Point Comfort, on the opposite side of the entrance, is **Fort Wool** which is on the south edge of the main ship channel; a light is shown from a small gray house on the north side of the island.

The 45-foot-wide small-boat openings in the south approach bridge to Hampton Roads Tunnel have clearances of 10 feet.

Willoughby Bank with depths of 3 to 7 feet, extends east-northeastward along the edge of the main channel for about 2.5 miles from Fort Wool. Willoughby Bay on the inner side of Willoughby Spit, has general depths of 7 to 12 feet. On the south side of the bay are the prominent buildings of the Norfolk Naval Base and the Naval Air Station. A marked channel, 0.4 mile westward of Fort Wool, leads to a small-boat harbor behind Willoughby Spit. In August 2000, the midchannel controlling depth was 5.3 feet to Daybeacon 3, thence 10 feet to the harbor. Some supplies, fuel, and berthing are available.

The western and southern part of Willoughby Bay is a **restricted area**. The northern part of the bay is a **small-craft anchorage**.

Naval and **general anchorages** are south of Thimble Shoal Channel. (See **110.1 and 110.168**, chapter 2, for limits and regulations.)

Thimble Shoal Channel is a **Regulated Navigation Area** and draft limitations apply. A vessel drawing less than 25 feet may not enter the channel, unless the vessel is crossing the channel. (See **165.501**, chapter 2, for limits and regulations.)

Naval danger zones and restricted areas extend northward from the vicinity of Little Creek to the edge of Thimble Shoal Channel. (See 334.310 and 334.370, chapter 2, for limits and regulations.)

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Norfolk

Commander 5th CG District

Norfolk, VA

(575) 398-6231

2

NOTE C HAMPTON ROADS TUNNEL APPROACH SPANS HOR CL 45 FT VERT CL 10 FT

HEIGHTS

Heights in feet above Mean High Water

Mercator Projection Scale 1:20,000 at Lat. 36° 58'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FEET AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.530" northward and 1.214" eastward to agree with this chart.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Norfolk, VA

KHB-37

162.550 MHz

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE F

Vessels should use extreme caution while navigating in Little Creek Harbor due to frequent and unannounced naval diving operations.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for ental information concerning aids to navigation.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

Table of Selected Chart Notes

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine bles and submarine pipeline and cable areas are shown as:

Pipeline Area

Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the are this chart. Not all submarine pipelines and marine cables are required to be buried. those that were originally buried may have water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling. Covered wells may be marked by lighted or

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

FISH TRAP AREAS AND STRUCTURES

Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.

Regulations to assure clear passage to and through dredged and natural channels and to established landings are prescribed by the Corps of Engineers in the Code of Federal Regulations

Definite limits of fish trap areas have been established in some areas and those limits are shown thus: Where definite limits have not been prescribed the location of

fishing structures is restricted only by the regulations

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

ANCHORAGE AREAS

110.168 (see note A)

Limits and designations of anchorage areas are shown in magenta

D) NAVAL ANCHORAGE

COMMERCIAL EXPLOSIVES

(F-1) EXPLOSIVES HANDLING BERTH

F (F-1) GENERAL ANCHORAGE

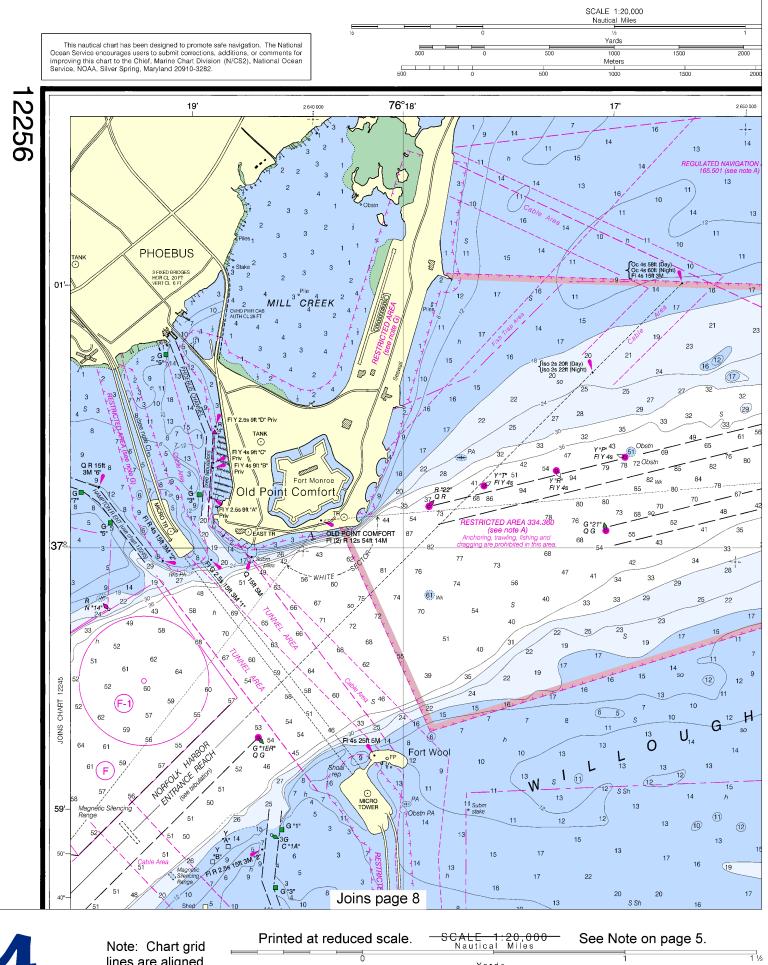
TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
Old Point Comfort Little Creek, NAB	(37°00'N/76°19'W) (36°55'N/76°11'W)		feet 2.6 2.7	feet 0.1 0.1
Dashes () located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.				

PHOEBUS AND WILLOUGHBY CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2010 CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW LEFT MIDDLE RIGHT OUTSIDE HALF OF OUTSIDE QUARTER CHANNEL QUARTER LENGTH DEPTH (NAUT. MLLW MILES) (FEET) WIDTH (FEET) NAME OF CHANNEL DATE OF SURVEY PHOEBUS CHANNEL 12.1 WILLOUGHBY CHANNEL 2.4 2.5 9.8 6-10 A300 A. CHANNEL WIDTH MAINTAINED AT 200 FEET SOUTH OF 36'56'43.0'N, 76'16'38.5'W. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

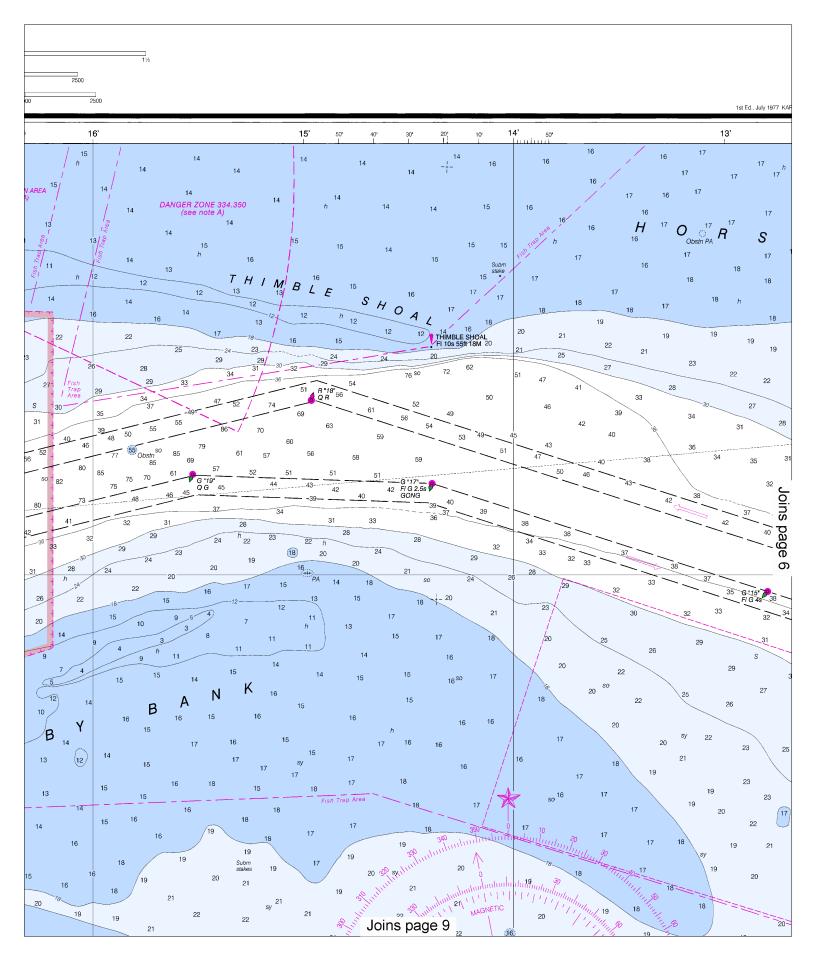
NORFOLK HARBOR AND APPROACHES TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2011 CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) PROJECT DIMENSIONS DATE OF SURVEY THIMBLE SHOAL CHANNEL (A) NORTH AUXILIARY CHANNEL (B) SOUTH AUXILIARY CHANNEL (B) NORFOLK HARBOR ENTRANCE REACH 50.3 50.0 47.1 13.0 55 32 50.0 52.4 52.6 51.8 7-10 1000-1440 1.4

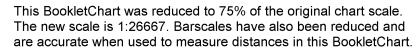
A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET. CHANNEL MAINTAINED TO 50 FEET. B. PROJECT MAINTENANCE DISCONTINUED NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION



lines are aligned with true north.

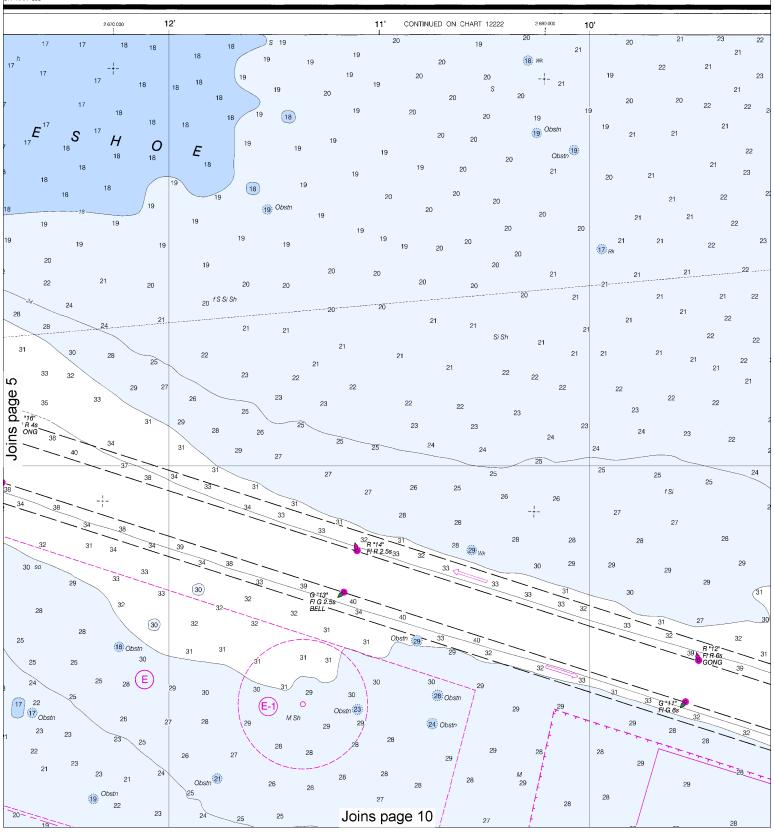






NOAA and its partner, OceanGrafix, offer this and critical corrections. Charts are printed whe Editions are available 2-8 weeks before their releabout Print-on-Demand charts or contact NOAA OceanGrafix at 1-877-56CHART or http://www.c

977 KAPP 596



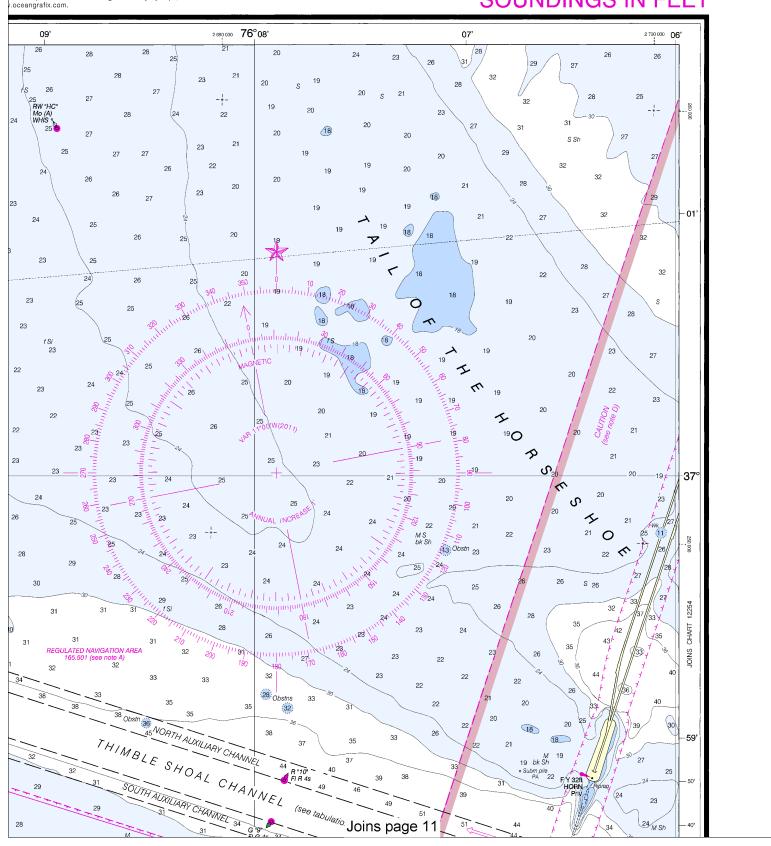


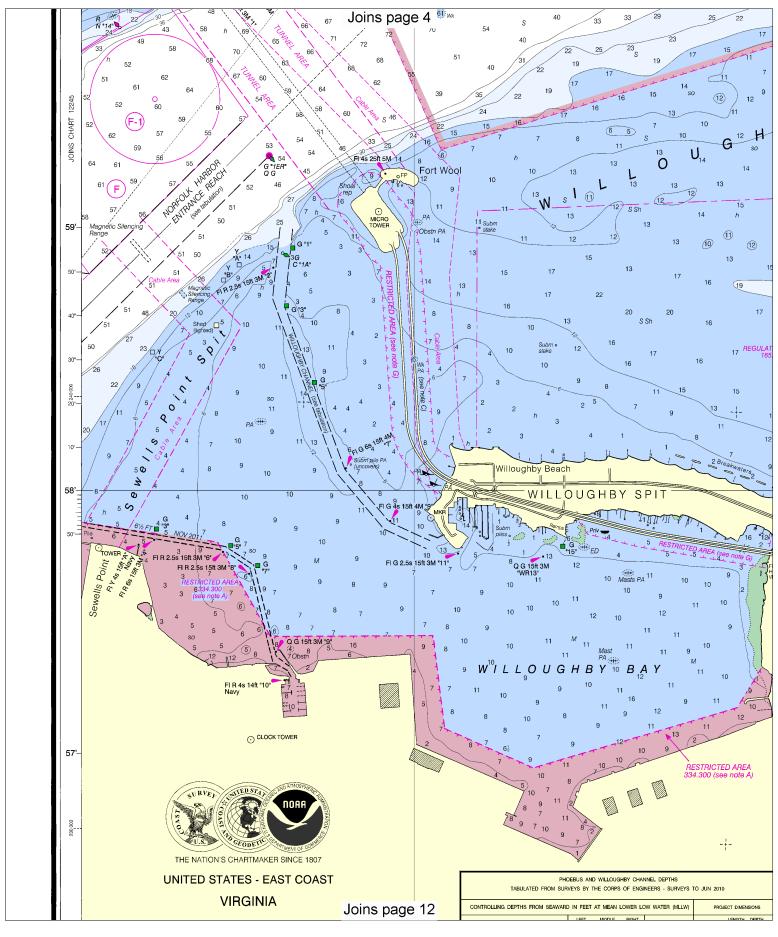


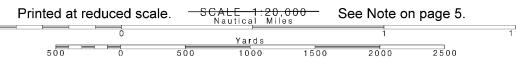
-DEMAND CHARTS

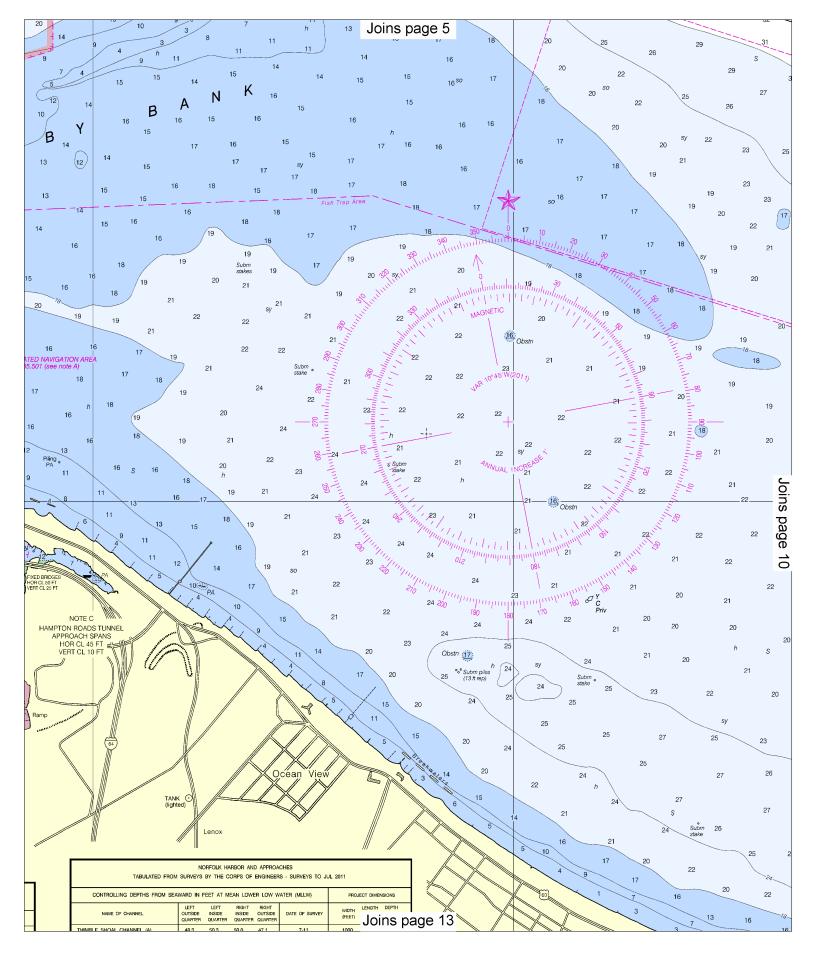
is chart updated weekly by NOAA for Notices to Mariners hen ordered using Print-on-Demand technology. New blease as traditional NOAA charts. Ask your chart agent AA at http://ocsdata.nod.noaa.gov/idrs/inquiry.aspx, or

SOUNDINGS IN FEET

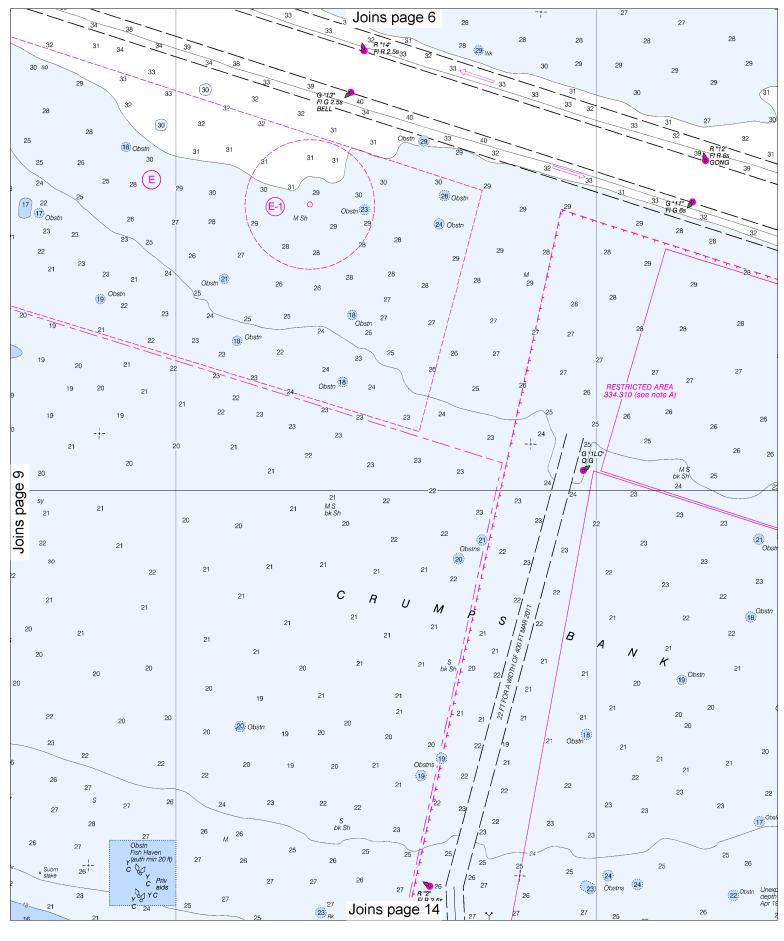




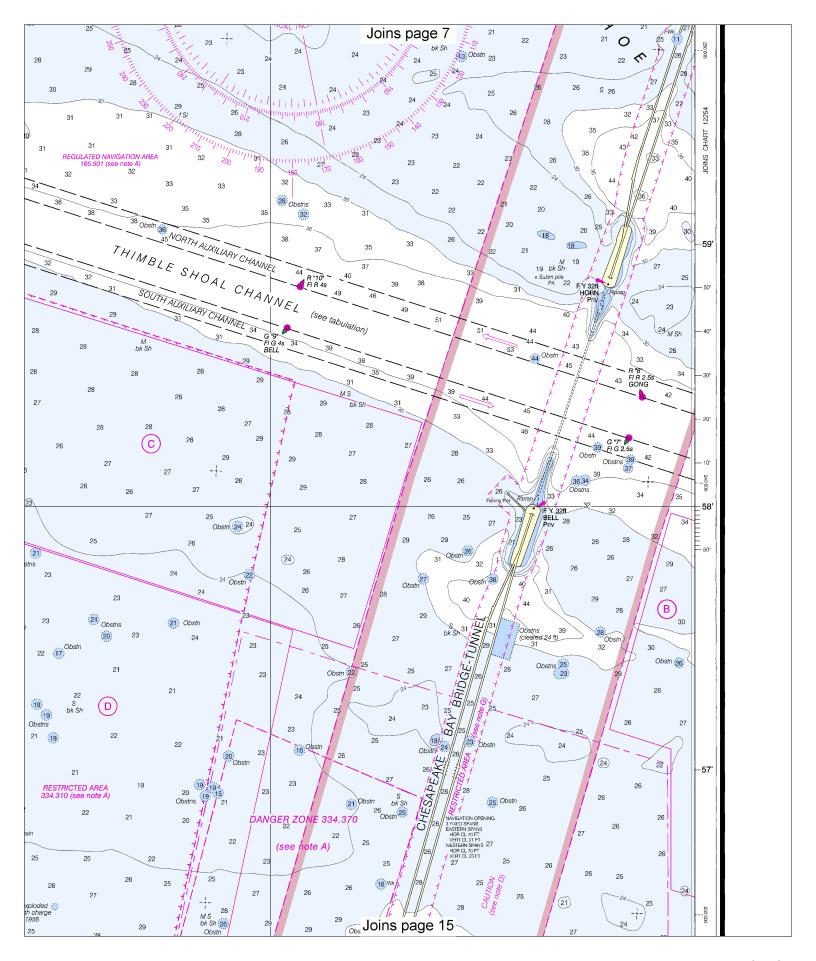


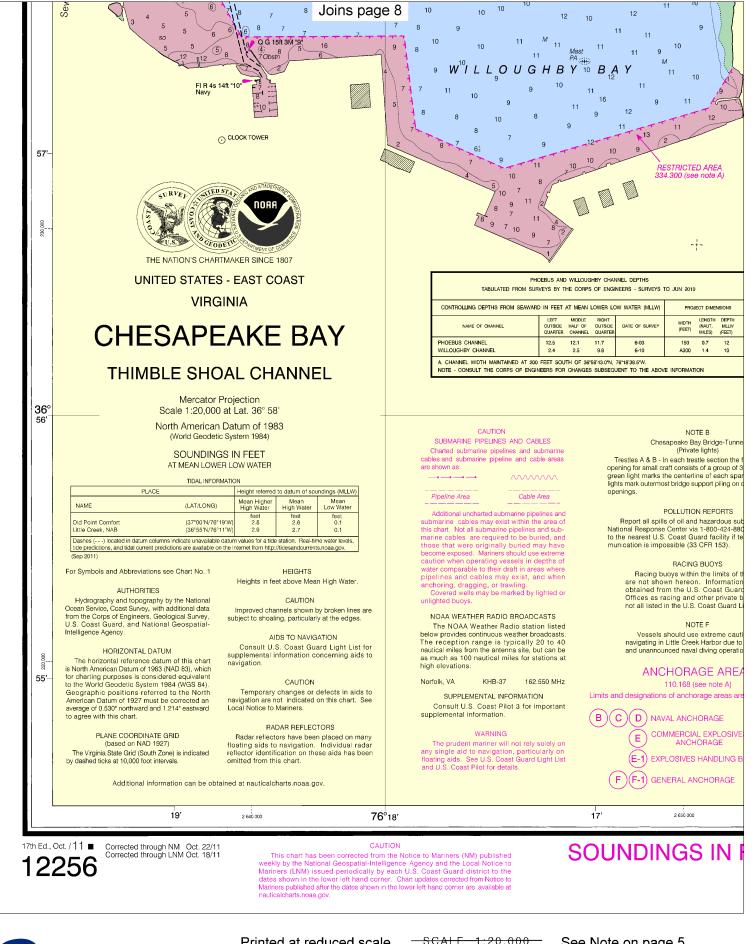




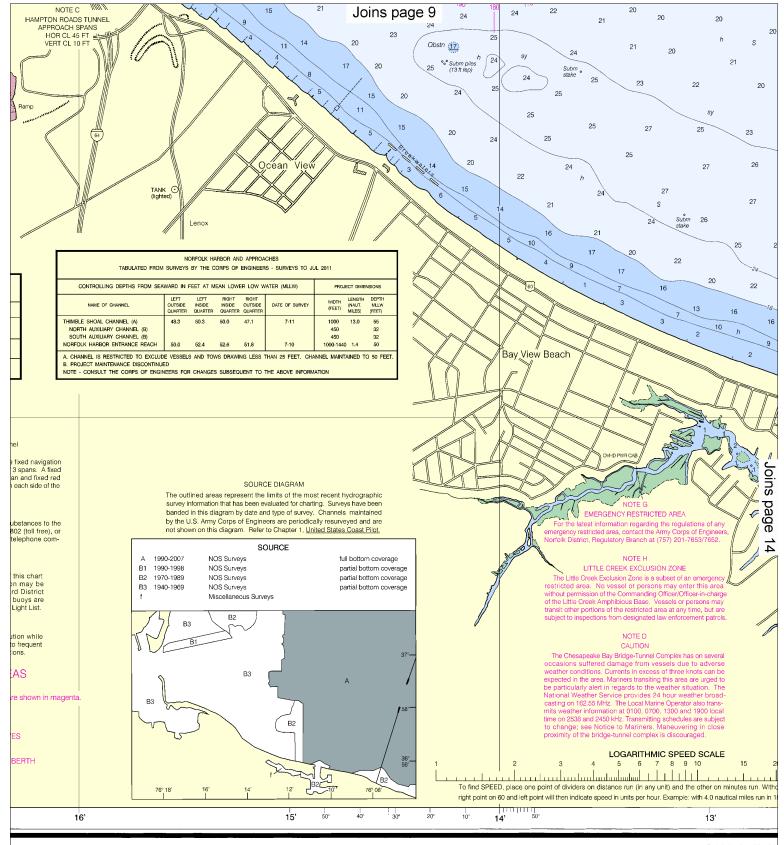






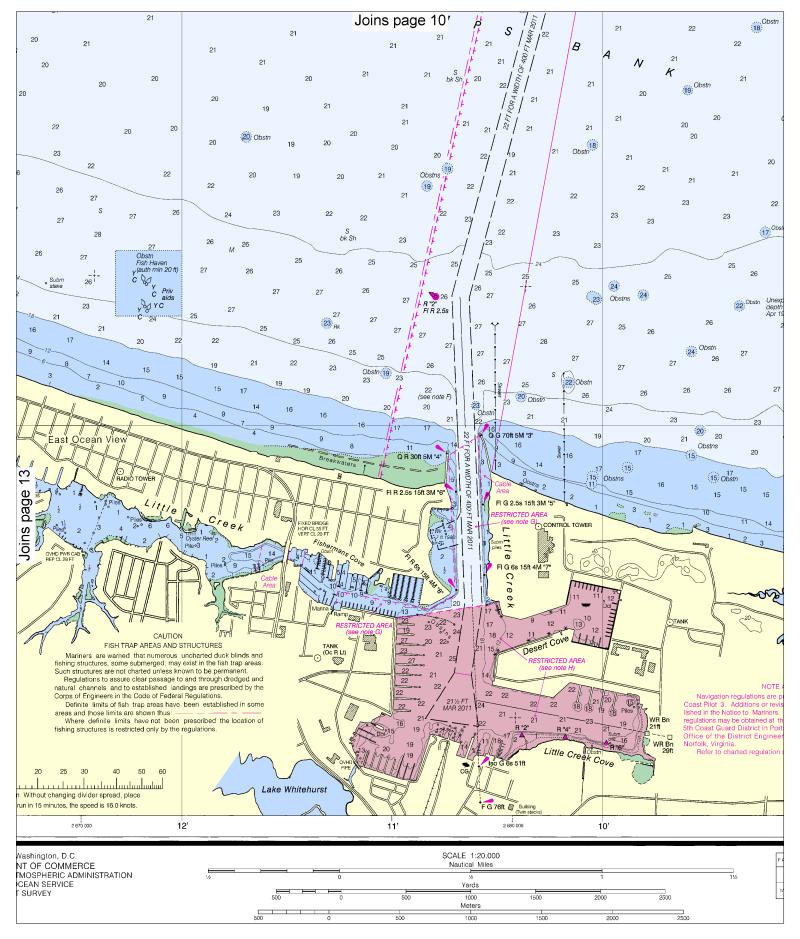


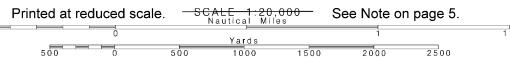
Note: Chart grid lines are aligned with true north.

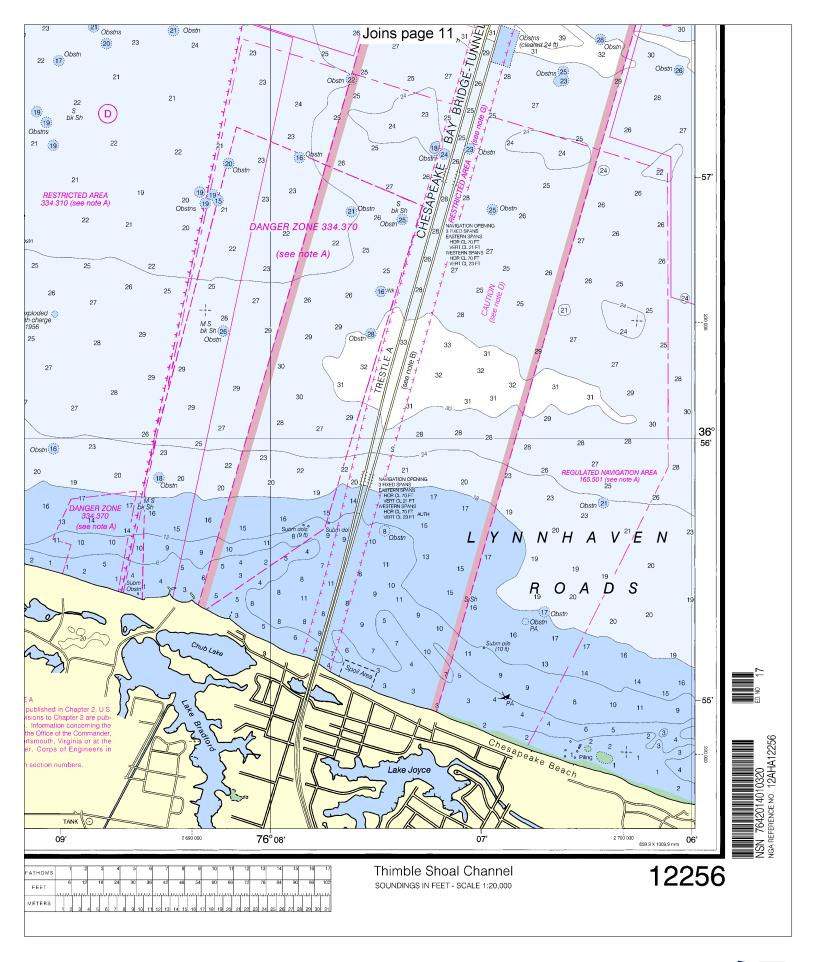


FEET

Published at Washir U.S. DEPARTMENT OF NATIONAL OCEANIC AND ATMOSF NATIONAL OCEAN COAST SUR









VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Online chart viewer — http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html

Report a chart discrepancy — http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx

Chart and chart related inquiries and comments — http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

Chart updates (LNM and NM corrections) — http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html

Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



For the latest news from Coast Survey, follow @nauticalcharts



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

